

CLAIM AMENDMENTS

Claims 1-6. (Canceled)

7. (Currently Amended) An apparatus comprising:
an electrical contact on a substrate;
a dielectric on the contact, the dielectric having an opening exposing the contact,
wherein the dimensions of the opening expose a first contact area of the contact, the apparatus
further comprising a spacer within the opening on the contact, the spacer exposing a second
contact area of the contact having dimensions less than the first contact area;
a programmable material formed within the opening, the programmable material
formed on the second contact area of the contact; and
a conductor electrically coupled to the programmable material.

8. (Canceled)

9. (Original) The apparatus of claim 7, further comprising:
a barrier material between the programmable material and the conductor.

10. (Original) The apparatus of claim 7, further comprising:
a signal line in contact with the contact; and
an isolation device between the contact and the signal line.

11. (Previously Amended) The apparatus of claim 7, wherein said dielectric includes
a first portion over said substrate, an aperture in said first portion, and a sidewall spacer aligning
said aperture, the interior of said sidewall spacer forming said opening.

12. (Previously Amended) The apparatus of claim 7, wherein the programmable
material includes a chalcogenide.

Claims 13-18. (Canceled)